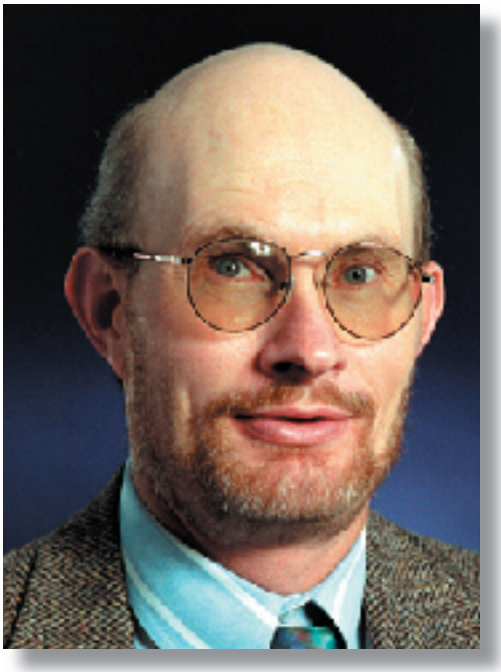

Dr. Eric S. Peterson

Specializing in understanding transport within selectively permeable materials.

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Licensing information

For information on licensing INL technologies such as those developed by Dr. Peterson, contact the Lead Account Executive for Environmental:

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Education: Dr. Peterson earned his B.A. in biology from Concordia College in 1979. He received his B.S. in chemistry from Concordia, also in 1979. In 1987, he earned his Ph.D. in chemistry from Montana State University.

Work experience: Currently a consulting scientist, he has been employed at INL since 1990. Dr. Peterson has also served as an adjunct professor of chemistry at Montana State University since 1990. He has received numerous professional recognitions and awards, including the INL Lifetime Achievement Award (2003), the U.S. Department of Energy Bright Light Award (2000) and the DOE Technical Achievement Award (2000).

Professional endeavors: Dr. Eric S. Peterson has spent the past 14 years at INL participating in development and commercialization of polyphosphazene materials for commercial and governmental applications. His research has varied from the most fundamental understanding of molecular interactions to developing and proving of pilot facilities using the membranes. His current research emphasis is understanding of inter- and intra- molecular interactions that lead to interesting structure property relationships in polymer and solid state materials. Dr. Peterson has authored and co-authored 38 refereed publications and 21 DOE Research Reports in this field of study.

Patents:

U.S. Patent No. 6,146,787 – Solid Polymer Electrolytes for Primary Lithium/Water Batteries

U.S. Patent No. 6,036,030 – Production of a selectively permeable membrane filter module

U.S. Patent No. 6,309,619 – Solid State Synthesis of Phosphazene Polymers

U.S. Patent No. 5,385,672 – Method for preparing Membranes With Dynamic Separation Performance

U.S. Patent No. 5,506,185 – Method for Preparing a Ceramic Oxyanion Emitter